

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/13/00
Date Received: 04/06/00
Project: Metro Self Monitor, PO# M63868
Date Extracted: 04/10/00
Date Analyzed: 04/10/00

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M63868 004035-01	0.69	0.63	0.68	0.08
Method Blank	<0.05	<0.05	<0.05	<0.05

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Date of Report: 04/13/00

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Project: Metro Self Monitor, PO# M63868

**QUALITY ASSURANCE RESULTS
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Laboratory Code: 004035-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.69	0.76	10	0-20
Copper	mg/L (ppm)	0.63	0.62	2	0-20
Nickel	mg/L (ppm)	0.68	0.80	16	0-20
Zinc	mg/L (ppm)	0.08	0.09	12	0-20

Laboratory Code: 004035-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	0.69	104	101	80-120	3
Copper	mg/L (ppm)	5	0.63	96	89	80-120	8
Nickel	mg/L (ppm)	10	0.68	104	104	80-120	0
Zinc	mg/L (ppm)	5	0.08	106	111	80-120	5

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	90	92	80-120	2
Copper	mg/L (ppm)	5	100	101	80-120	1
Nickel	mg/L (ppm)	10	89	90	80-120	1
Zinc	mg/L (ppm)	5	86	87	80-120	1

FRIEDMAN & BRUYA, INC.
3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282

SAMPLE CHAIN OF CUSTODY

Send Report To:

Company

Address

City, State, Zip _____

Phone #

Alaskan Copper Works

Contact

Gerald A. Thompson

628 Hansen ST
P SEATTLE WA 98134

FAX # 206-382-4309

Date 4-10-00

SITE NO.

PROJECT NAME

PURCHASE ORDER #

7238

metro self monitor

m 63868

SAMPLERS (signature)

PROJECT LOCATION

[Handwritten signature]

3200 6th Ave S.

REMARKS

SAMPLE DISPOSAL INFORMATION

☐ Dispose after 30 days
☒ Return Samples
☐ Call for Instructions

Sample #	Date/Time Sampled	Type of Sample	# of Jars	Lab Sample #	Analyses Requested
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M63868	4/6/00	H2O	1	004635-01	CL Cu vj zn
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[illegible]

SIGNATURE

PRINT NAME

COMPANY

Date _____

Time

Relinquished by:

Gerard A. Thompson

ACW

4/6/00

1:00 PM

Received by:

Steven C. Wines

F + B : Inc

4-6-00

1.00, 2

Relinquished by:

Received by:

FORMS/COC

02/25/00

AKC-0010133

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

April 13, 2000

DUPLICATE COPY

INVOICE #00ACU0413-2

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M63868 - Results of testing requested by
Gerald A. Thompson for material submitted on April 6, 2000.

1 sample analyzed for Total Chromium,
Copper, Nickel, and Zinc
by Method 6010 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID (b) (6)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

April 13, 2000

Gerald A. Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on April 6, 2000 from your Metro Self Monitor, PO# M63868 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Dianne C. Hurt
Project Manager

Enclosures
ACU0413R.DOC